

**WHAT IS CLAIMED IS:**

1. A report format editor for circuit test, comprising:  
computer readable media; and  
program code, stored on the computer readable media, comprising:  
program code to display a graphical user interface, the  
graphical user interface displaying i) a number of user-selectable  
representations of circuit test data, and ii) a user-modifiable ASCII  
report format that is formed, at least in part, of placed ones of said  
user-selectable representations of circuit test data; and  
program code to i) interpret relative sizes and placements of  
elements forming said user-modifiable ASCII report format, and ii)  
generate an ASCII format description file in response to said  
interpretation.
2. The report format editor of claim 1, further comprising code to read a  
file of circuit test data types and, in response thereto, build said number of  
user-selectable representations of circuit test data.
3. The report format editor of claim 1, further comprising code to query a  
test instrument for circuit test data types and, in response to results from said  
query, build said number of user-selectable representations of circuit test  
data.

4. The report format editor of claim 1, wherein said user-selectable representations of circuit test data are displayed in a persistently visible portion of the graphical user interface.
5. The report format editor of claim 1, wherein said user-selectable representations of circuit test data are provided via a pull-down menu of the graphical user interface.
6. The report format editor of claim 1, further comprising code that enables a user to drag and drop the user-selectable representations of circuit test data within the ASCII report format.
7. The report format editor of claim 1, further comprising code to associate identifying colors with said placed ones of said user-selectable representations of circuit test data.
8. The report format editor of claim 1, further comprising code to i) associate names with said placed ones of said user-selectable representations of circuit test data, and ii) cause the name of a placed representation of circuit test data to be displayed when a graphical pointer hovers over the placed representation of circuit test data.
9. The report format editor of claim 1, further comprising code that

enables said placed representations of circuit test data to be graphically resized within the ASCII report format.

10. The report format editor of claim 1, wherein ones of said placed ones of said user-selectable representations of circuit test data are associated with programmable label fields.

11. The report format editor of claim 1, wherein said programmable label fields comprise a column header field.

12. The report format editor of claim 1, wherein said programmable label fields comprise preamble and postamble fields.

13. The report format editor of claim 1, wherein said graphical user interface further displays a number of user-selectable context fields that may be placed in the ASCII report format.

14. The report format editor of claim 1, further comprising code to read a saved ASCII format description file, conduct a consistency check on the contents thereof, and display a user-modifiable ASCII report format based thereon.

15. The report format editor of claim 1; wherein, upon selection of one of

the placed representations of circuit test data, the graphical user interface provides an option to specify a data format for the selected representation.

16. A circuit test system, comprising:
  - computer readable media; and
  - program code, stored on the computer readable media, comprising:
    - code to display a graphical user interface, the graphical user interface displaying i) a number of user-selectable representations of circuit test data, and ii) a user-modifiable ASCII report format that is formed, at least in part, of placed ones of said user-selectable representations of circuit test data;
    - code to i) interpret relative sizes and placements of elements forming said user-modifiable ASCII report format, and ii) generate an ASCII format description file in response to said interpretation; and
    - code to read the ASCII format description file and format circuit test data in accordance therewith.
17. The system of claim 16, further comprising code to read a file of circuit test data types and, in response thereto, build said number of user-selectable representations of circuit test data.
18. The system of claim 16, wherein said code to format circuit test data receives and processes a real-time stream of circuit test data.